

Archival Magazine

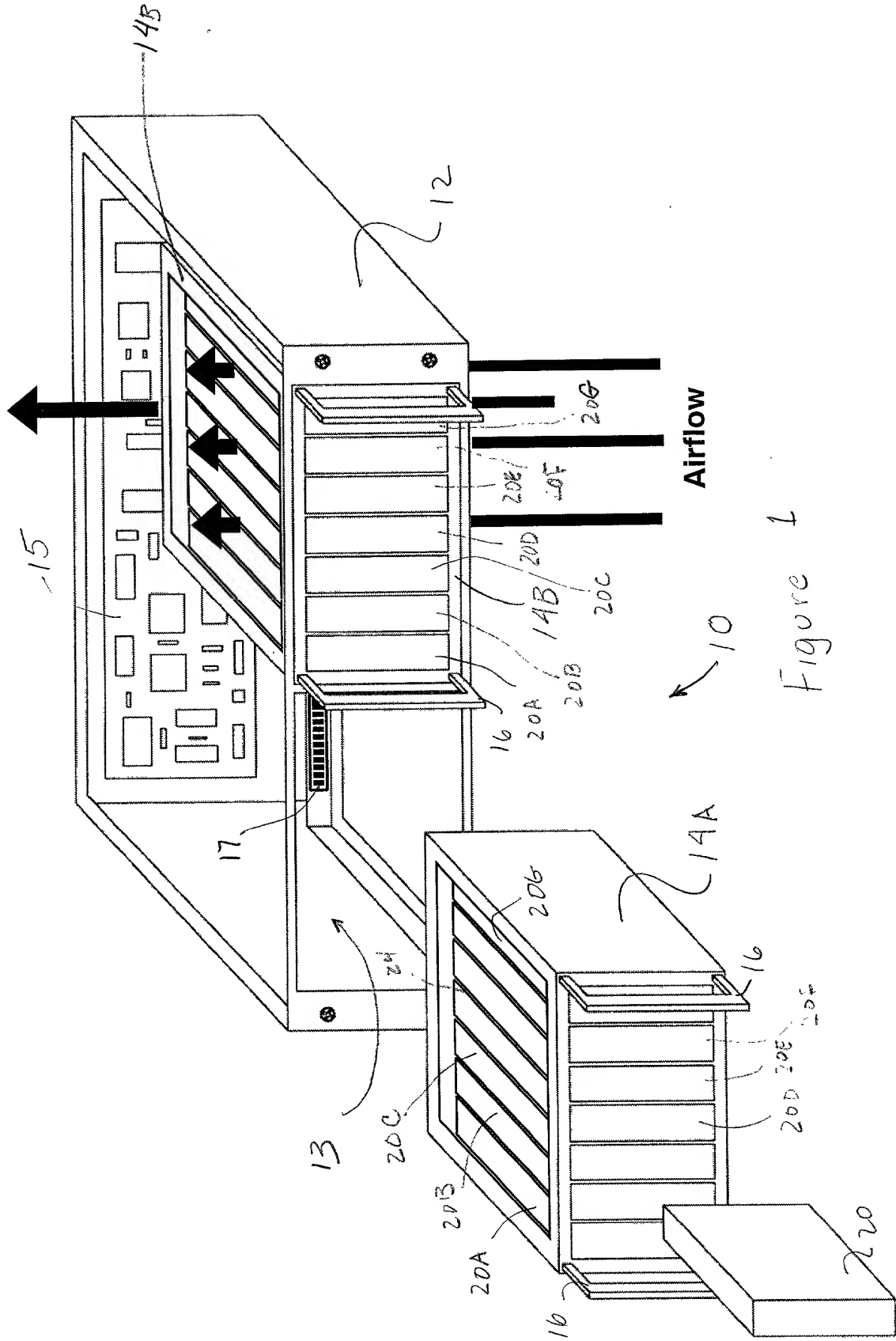
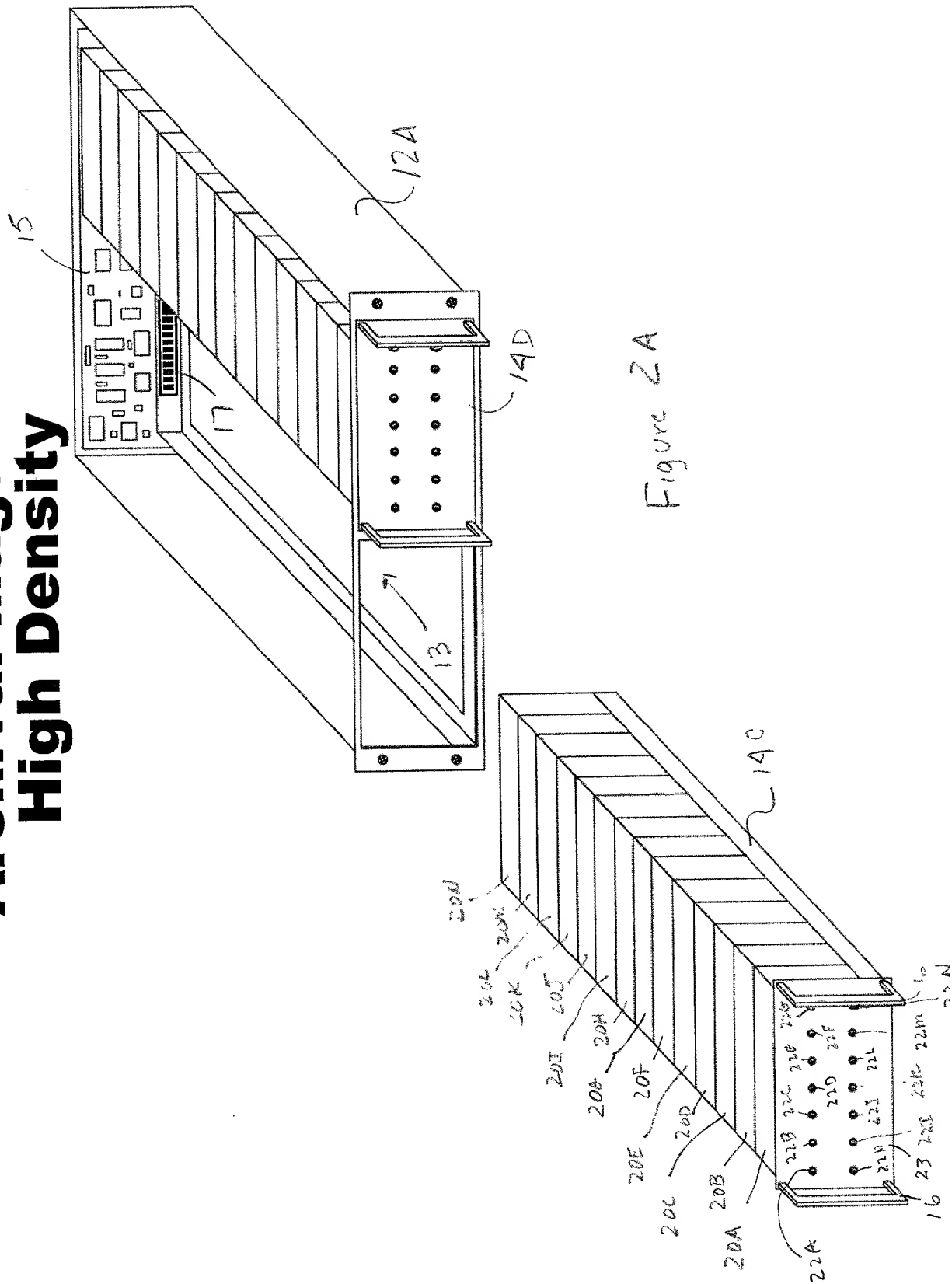


Figure 1

Archival Magazine High Density



Active Data Storage Array with Serial ATA

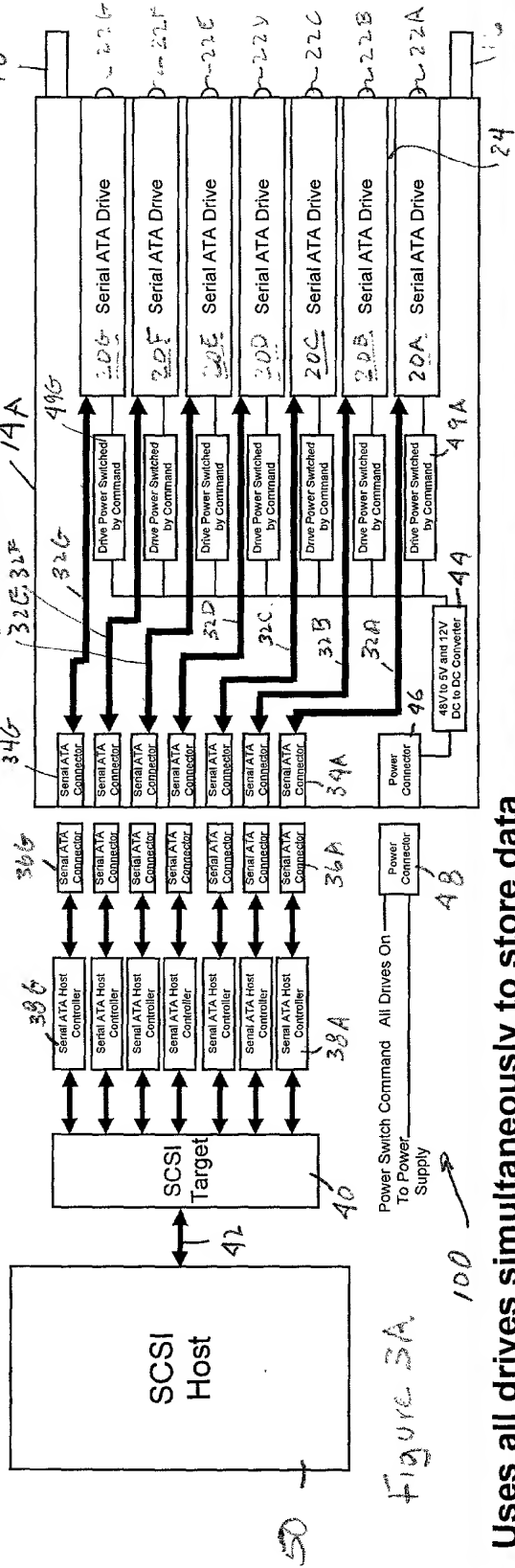


Figure 3A

Uses all drives simultaneously to store data

Data Preservation Vault with Serial ATA

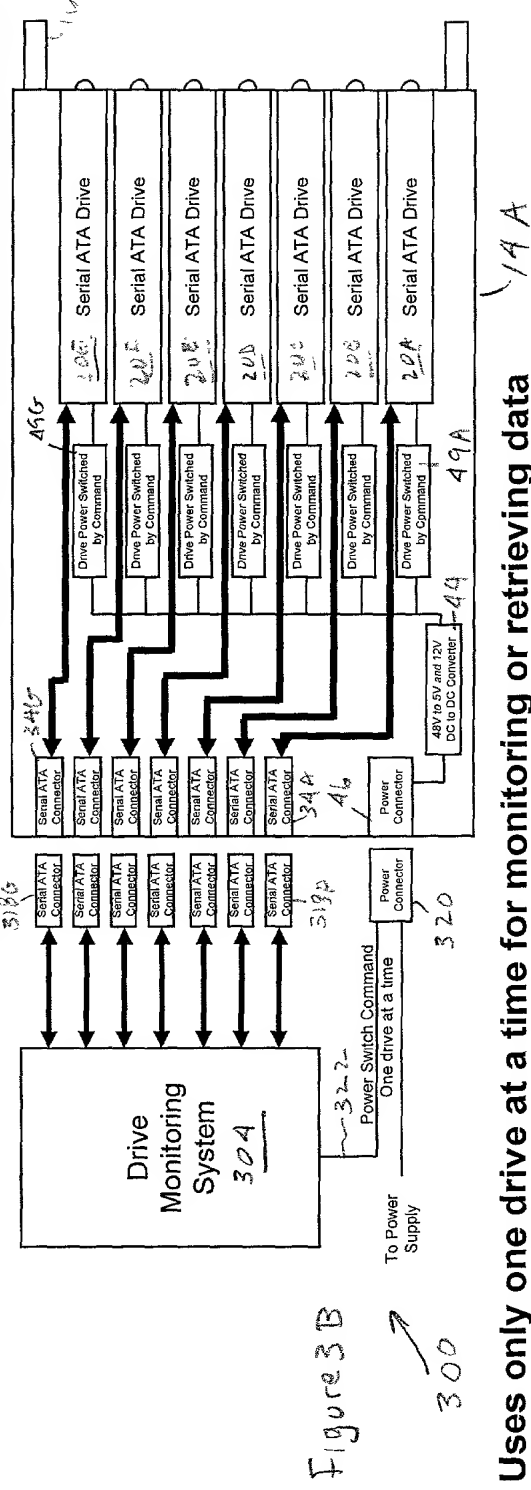
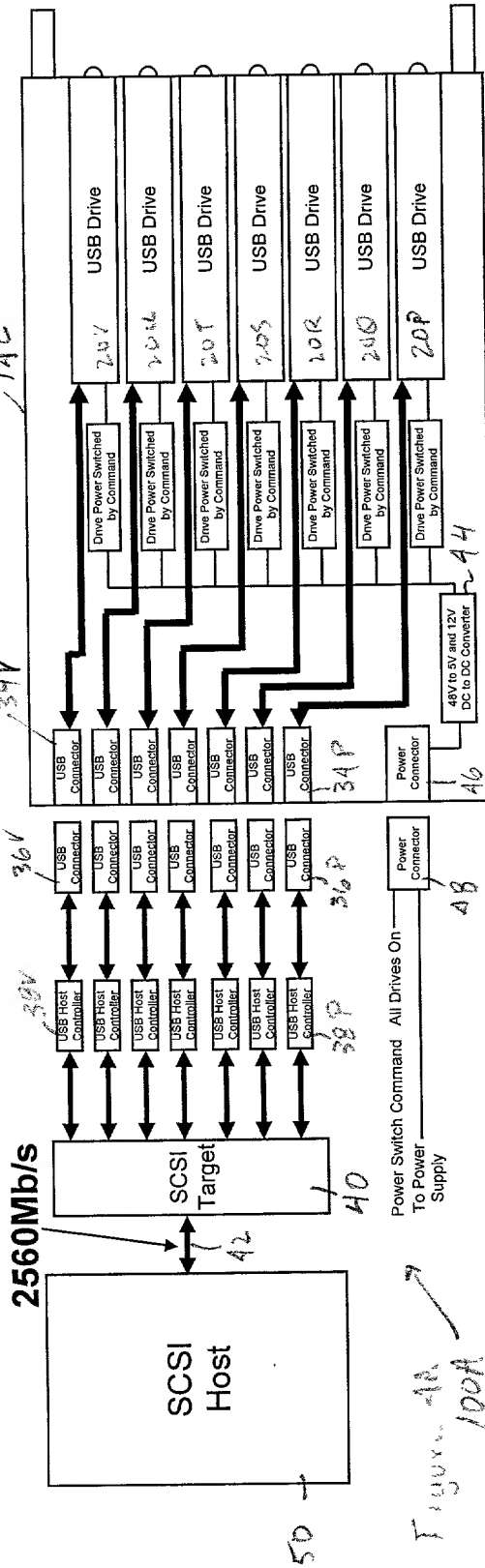


Figure 3B

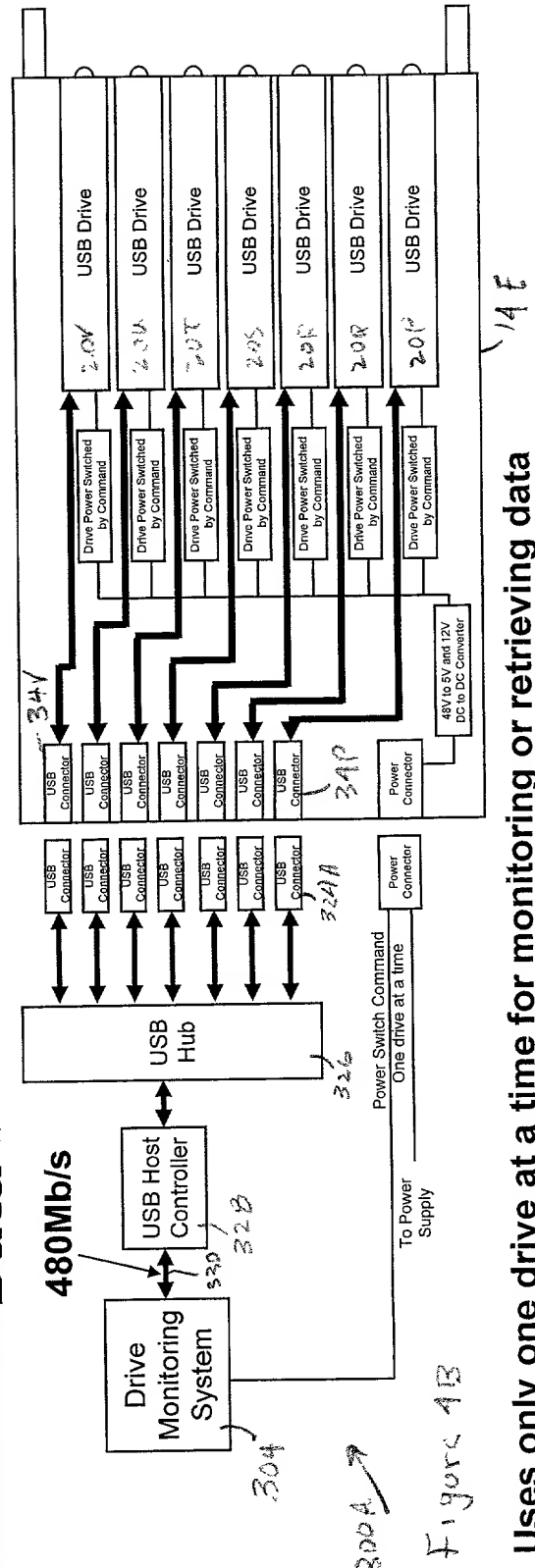
Uses only one drive at a time for monitoring or retrieving data

Active Data Storage Array with USB 2.0



Uses all drives simultaneously to store data

Data Preservation Vault with USB 2.0



Uses only one drive at a time for monitoring or retrieving data

Archival Cartridge IEEE 1394 Interface

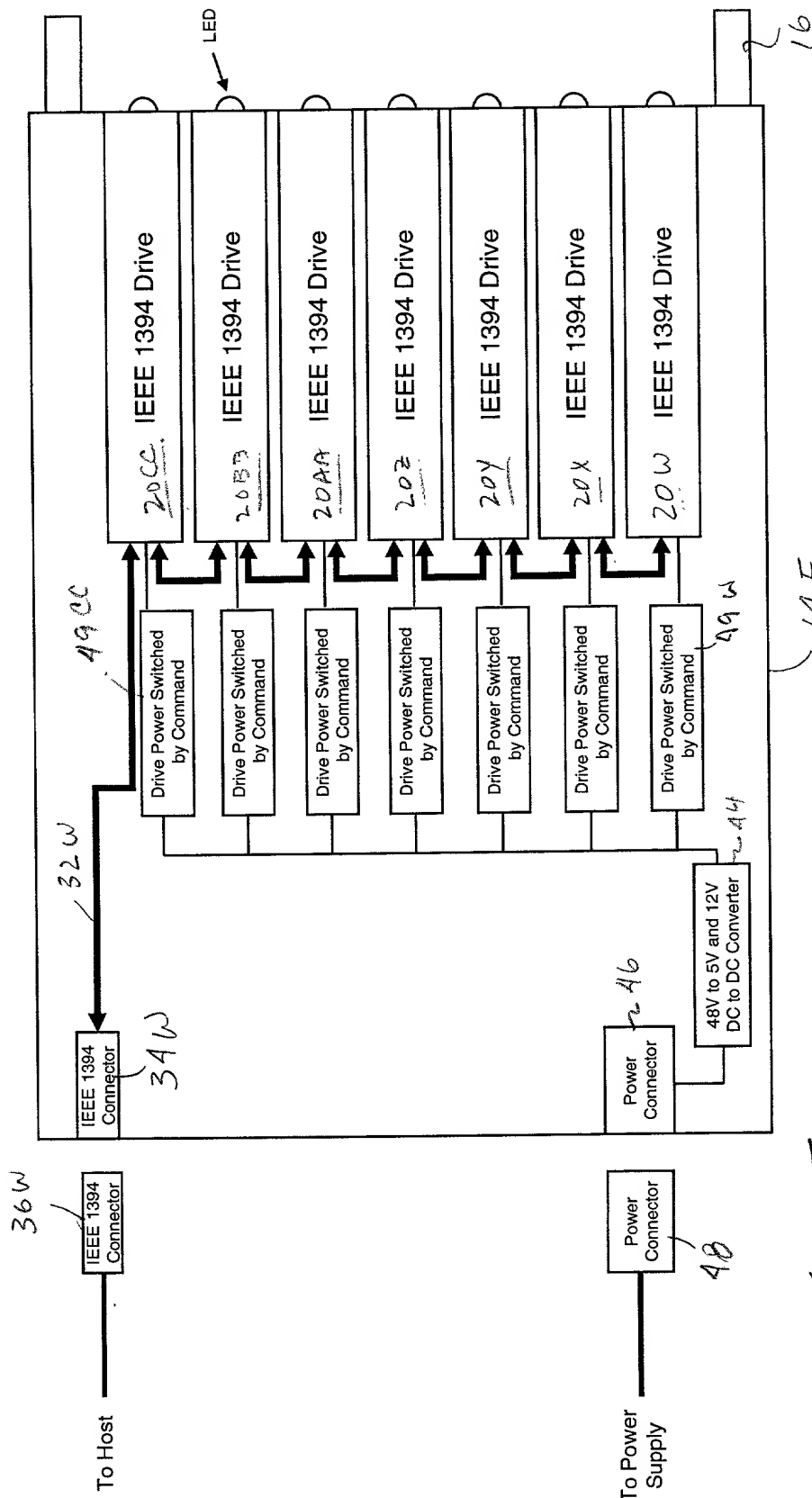


Figure 5

Shock Protection for Archival Magazine

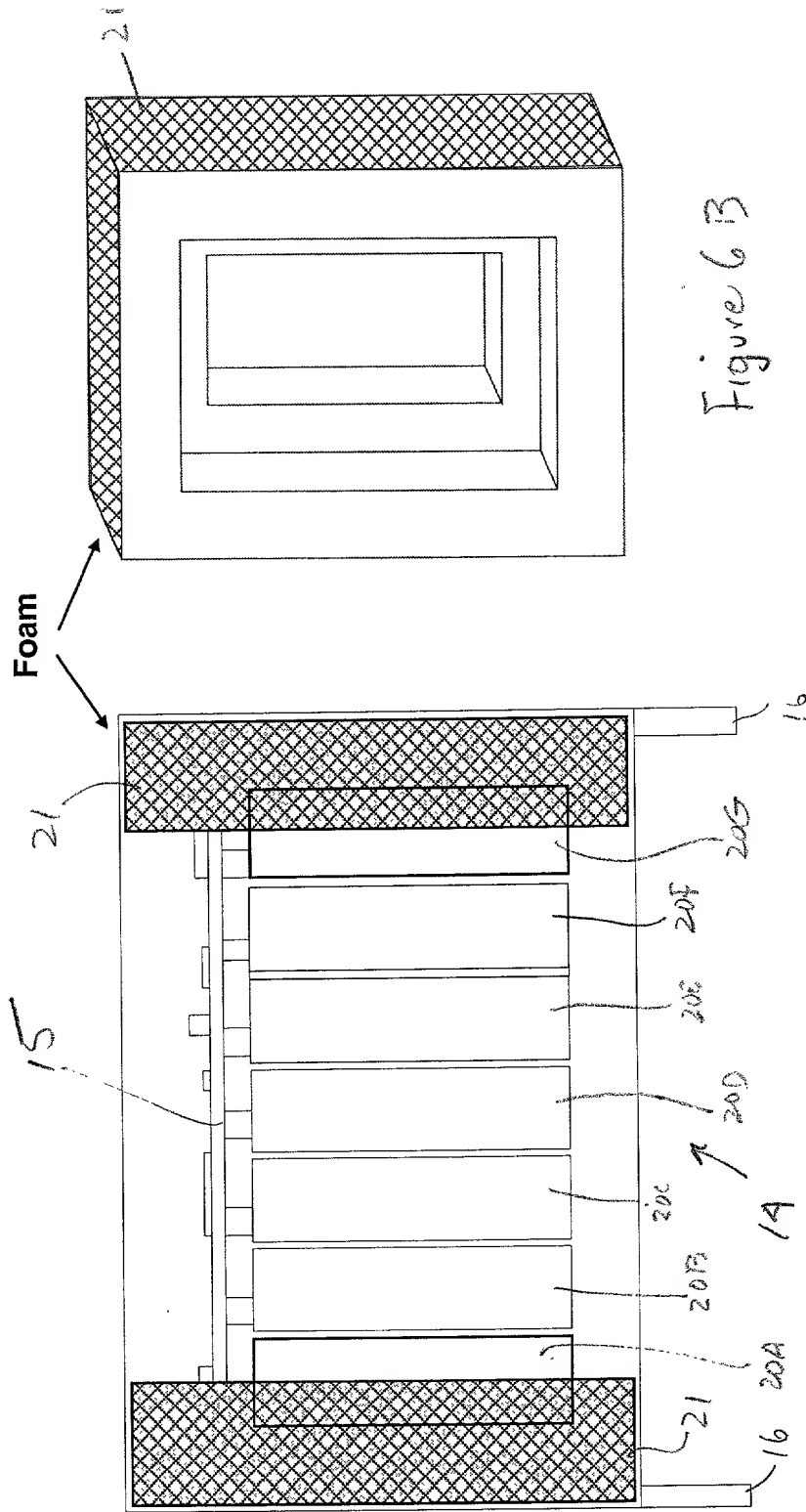
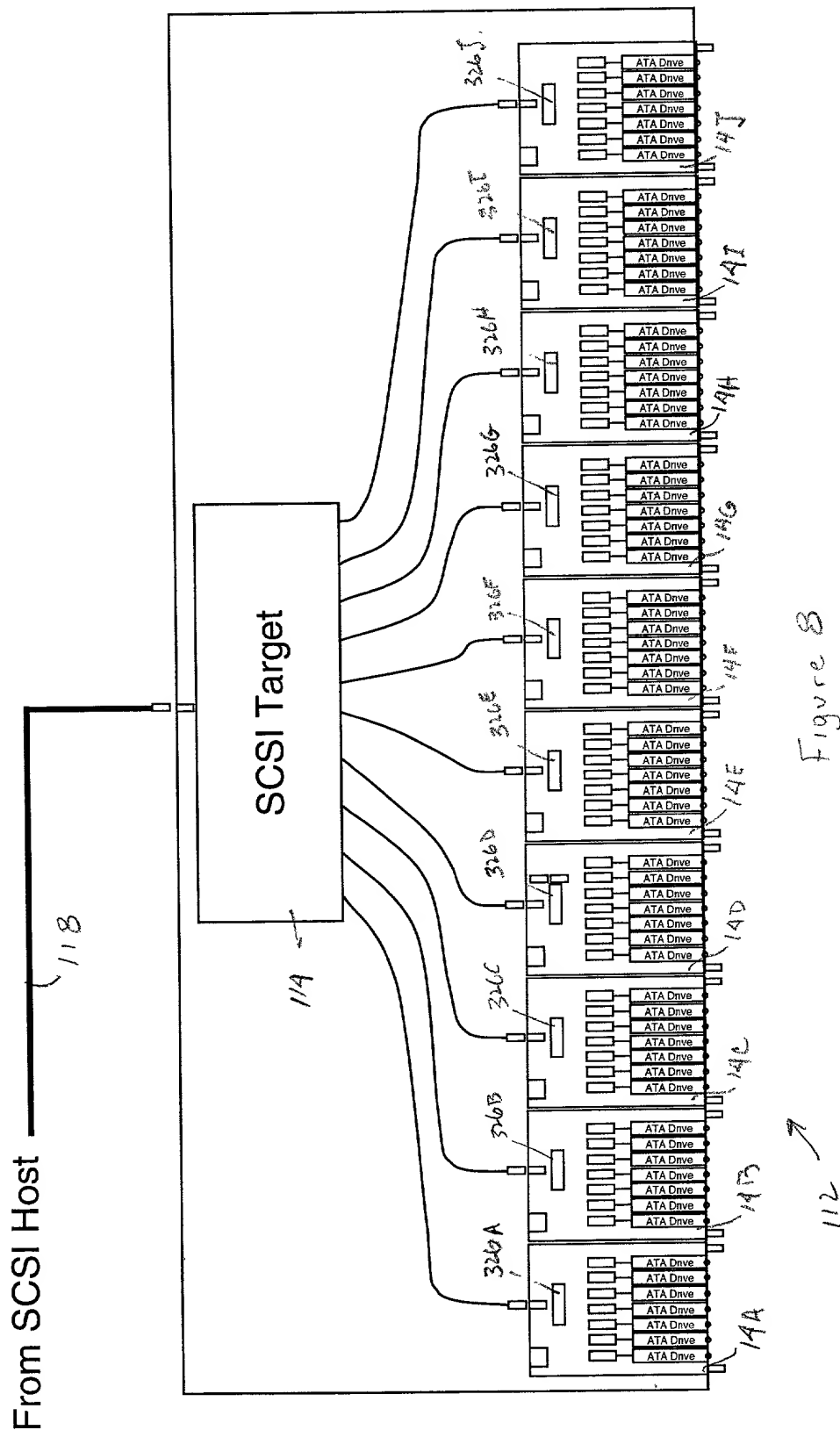


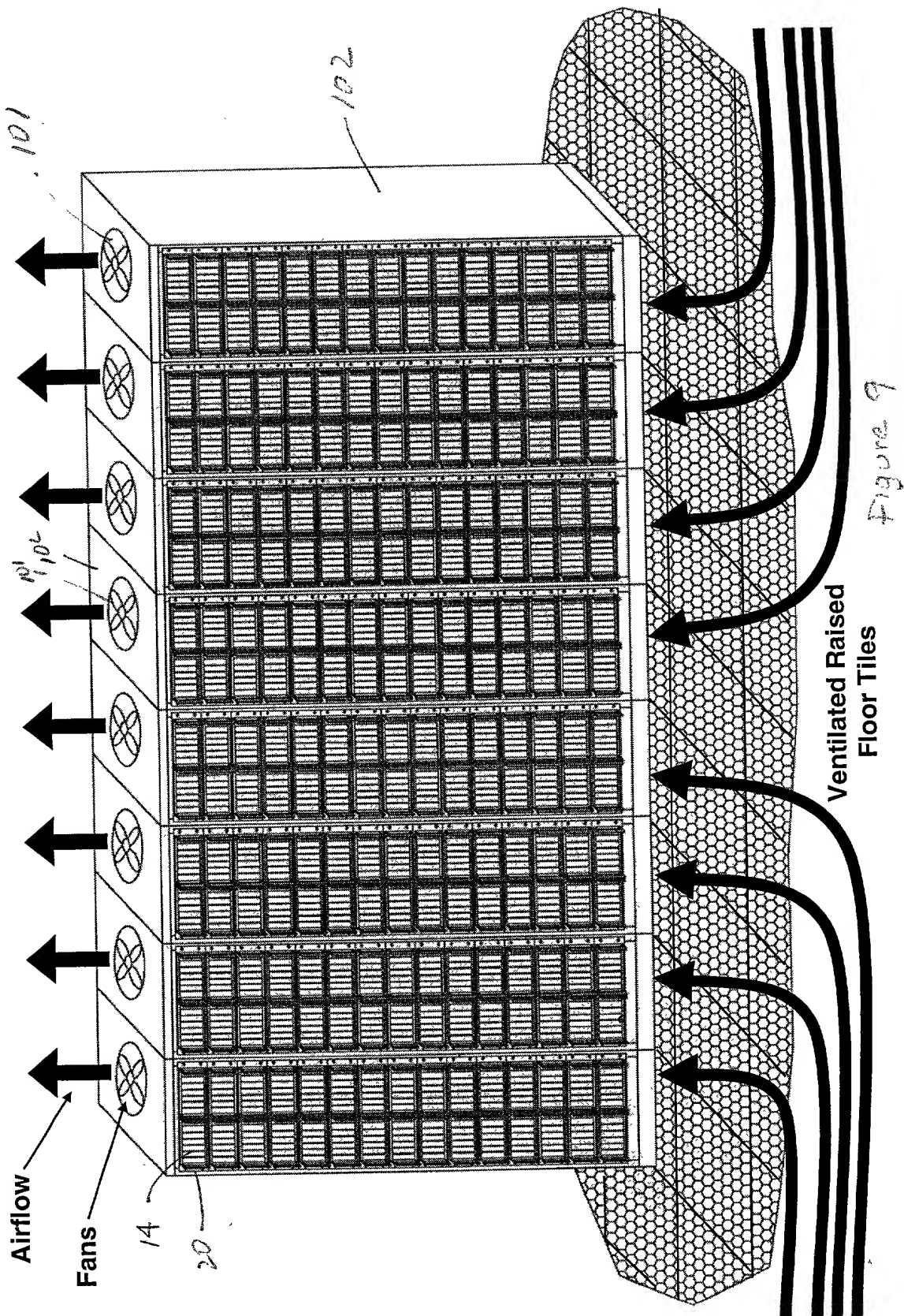
Figure 6 B

Figure 6A

Active Data Storage Array



Active Data Storage Array



Shock-Insulated Transport Case

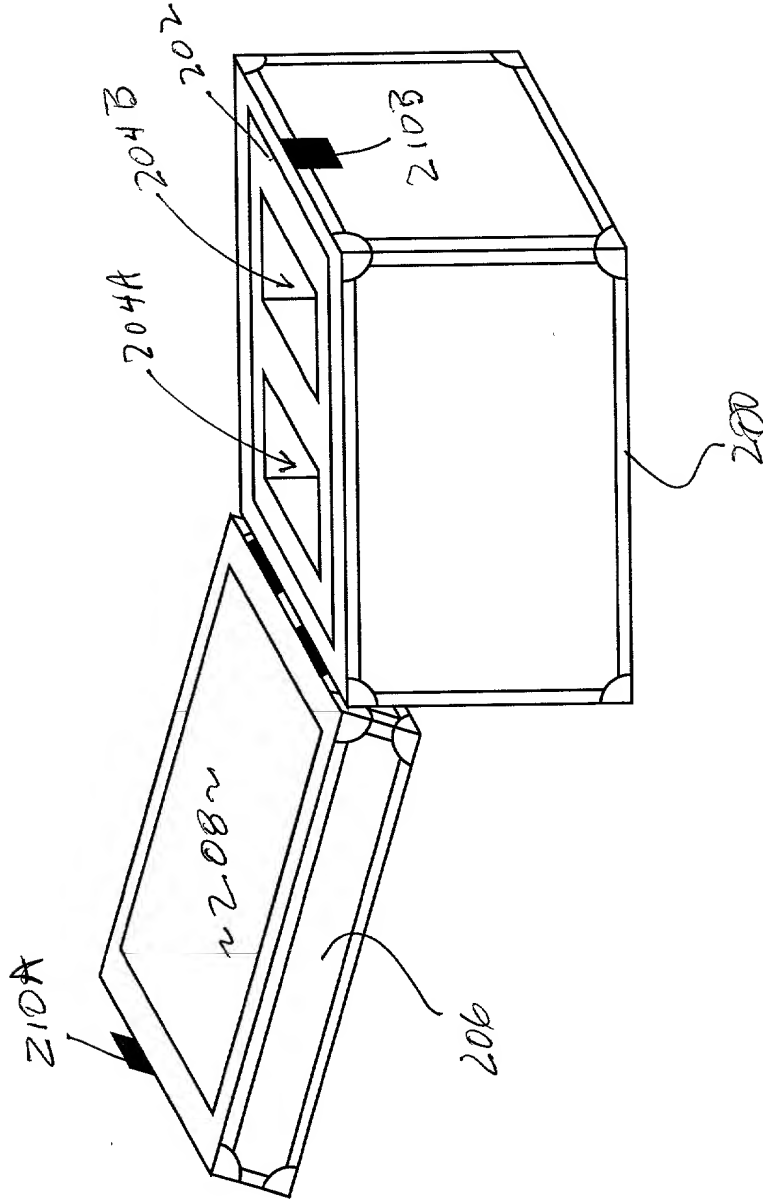


Figure 10

Data Preservation Vault

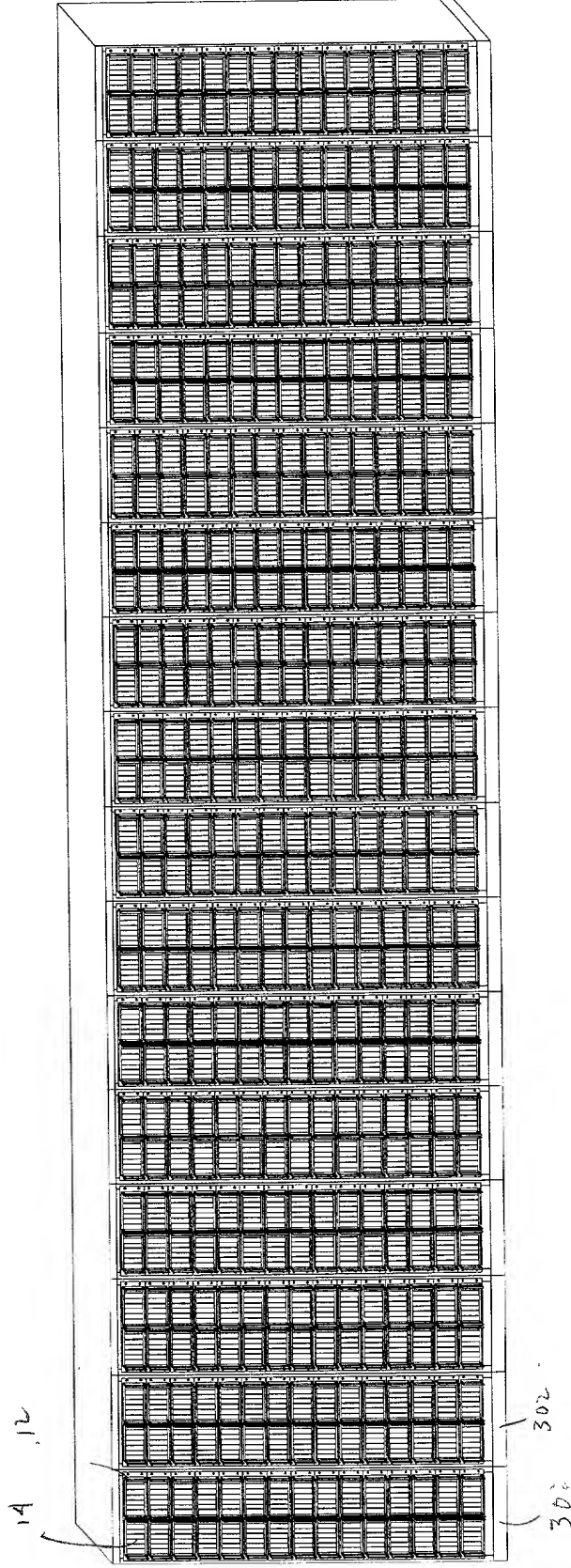


Figure 11

Data Preservation Vault (top view)

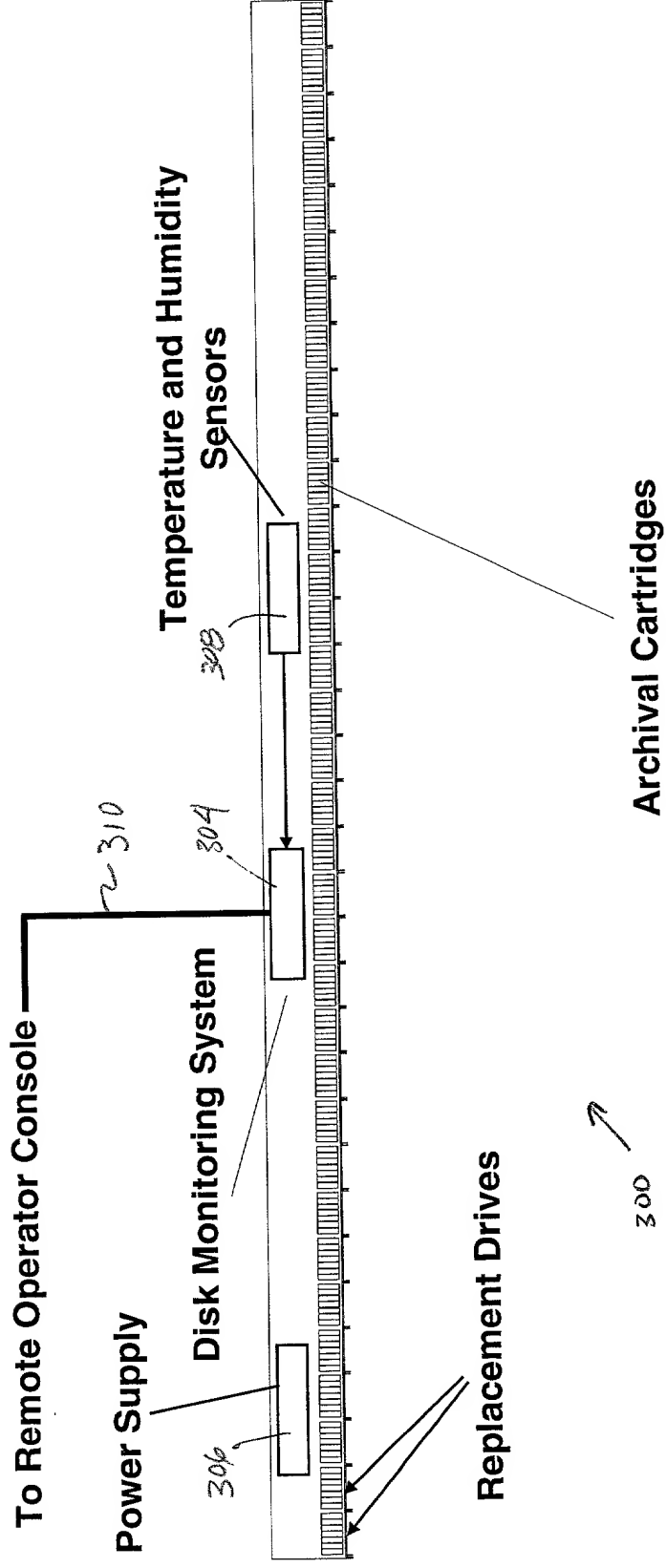
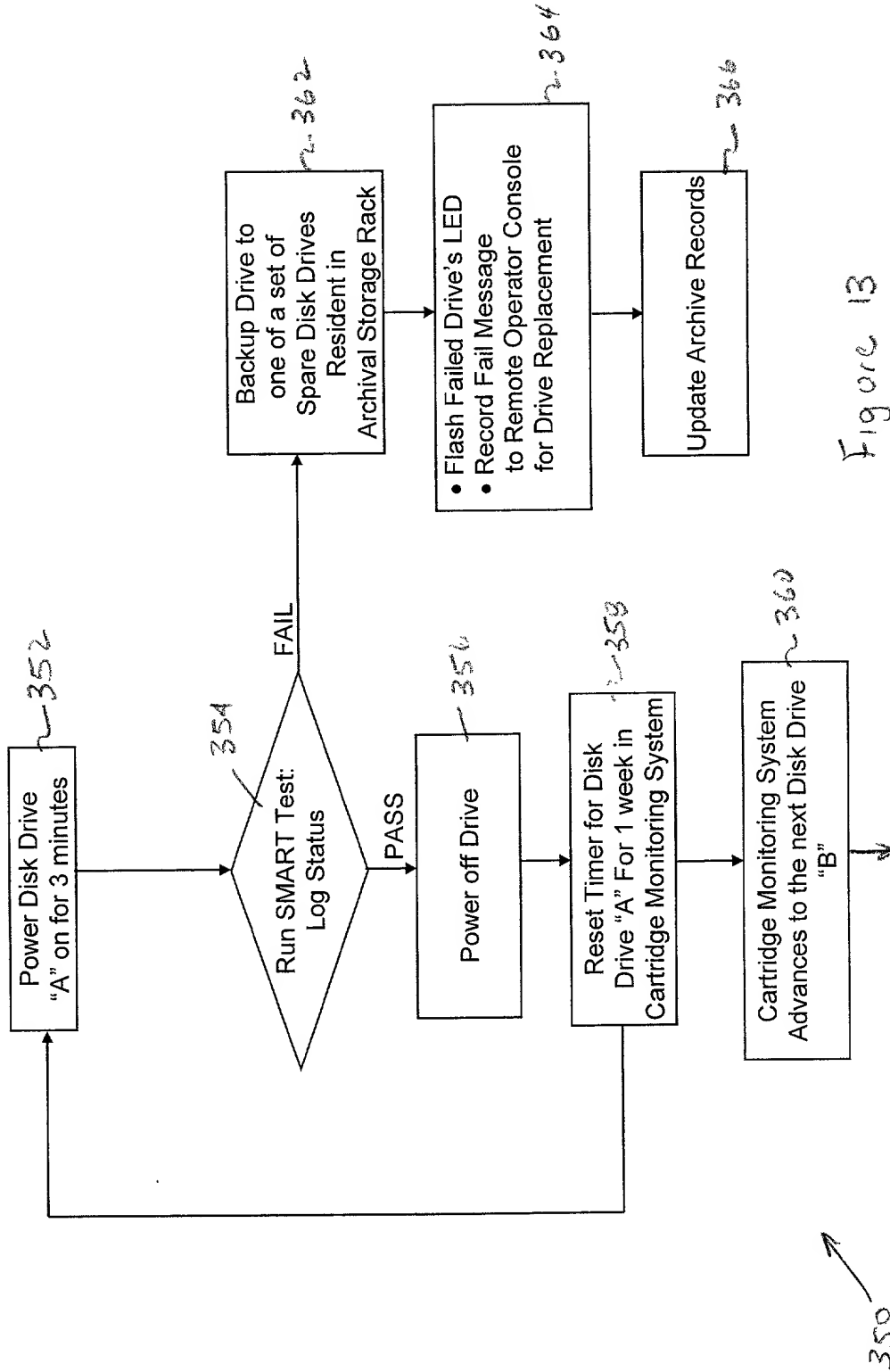


Figure 12

Disk Monitoring System



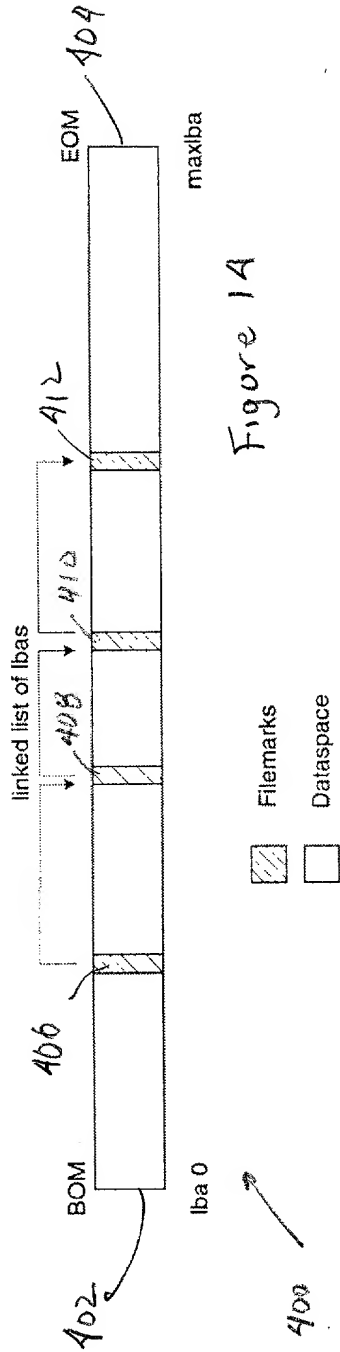


Figure 14

FileMark Block Structure

Byte	Description
0-7	Ascii "FILEMARK"
8	Major Version
9	Minor Version
10	Partition Number
11	Validily Byte
	0 bit Mark Type
	1 bit Previous filemark status
	2 bit Next filemark status
	3 bit Pervious filemark is Master Record
12-15	Previous FileMark LBA
16-19	Next FileMark LBA
20-23	Block Size
24-509	Reserved
510	Two-Complement Checksum bytes (0-509)

Figure 15